

ABSTRACT

A modular data storage system is disclosed. The data storage system comprises at least one module housing. Each housing has a front chamber and a rear chamber running parallel to a front side of the module housing and extending across a width of the module housing. An open shaft is arranged between the front chamber and the rear chamber. The shaft extends across the width of the module housing. The front chamber is adapted to receive at least two storage modules adapted to hold storage media, and the rear chamber is adapted to receive at least one function module for the data storage media. At least one transfer unit is arranged in the shaft. The transfer unit has a vertically traveling elevator and a carriage adapted to travel on the elevator between the front chamber and the rear chamber. The carriage has a grip mechanism for the data storage media.